

Claim Amendments

Please amend the claims as follows:

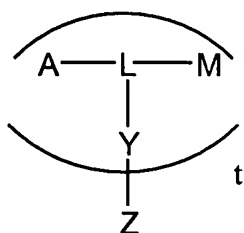
1. (currently amended) A compound comprising an amphetamine moiety and a methamphetamine moiety linked together by a first linking group wherein a second linking group is linked to ~~depends from~~ said first linking group and the distance of the amphetamine moiety and the methamphetamine moiety from the point of linkage of said second linking group to said first linking group is approximately the same and wherein said second linking group terminates in a functional group.

2. (currently amended) A compound according to Claim 1 further comprising ~~wherein~~ a poly(amino acid) or a non-poly(amino acid) label moiety ~~is~~ linked to said second linking group by means of said functional group.

3. (original) A compound according to Claim 1 wherein said distance is equal.

4. (original) A compound according to Claim 1 wherein said amphetamine and said methamphetamine are stereospecific.

5. (currently amended) A compound of the formula:



wherein:

A is an amphetamine moiety,

M is a methamphetamine moiety,

L is a linking group,

Y is a bond, ~~a functional group~~ or a linking group and is bonded to L at a point equidistant between A and M, and

Z is a poly(amino acid), a non-poly(amino acid) label moiety or a functional group;

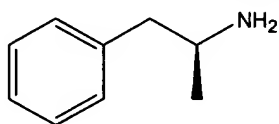
t is 1 when Z is a functional group or a non-poly(amino acid) label or, when Z is a poly(amino acid), t is an integer between 1 and the molecular weight of a poly(amino acid) divided by about 500;
and salts thereof.

6. (currently amended) A compound according to Claim 5 wherein A and M are linked to L from the same corresponding positions ~~position~~ in A and M.

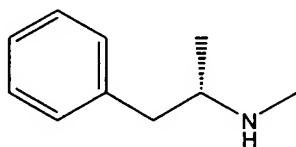
7. (currently amended) A compound according to Claim 5 wherein Z is an enzyme label.

8. (original) A compound according to Claim 5 wherein said amphetamine moiety and said methamphetamine moiety are stereospecific.

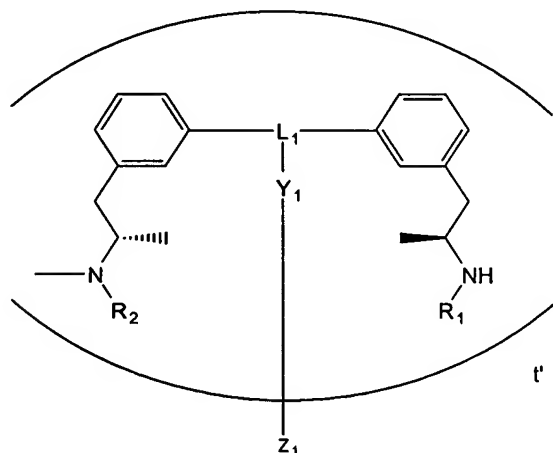
9. (original) A compound according to Claim 5 wherein A is:



10. (original) A compound according to Claim 5 wherein M is:



11. (currently amended) A compound of the formula:



wherein:

R_1 is hydrogen, lower alkyl or a protecting group,

R_2 is hydrogen, lower alkyl or a protecting group,

L_1 is a linking group,

Y_1 is a bond, a functional group or a linking group and is bonded to L_1 at a point equidistant between the point of attachment to each of the phenyl groups,

Z_1 is a poly(amino acid), a non-poly(amino acid) label or a functional group; and

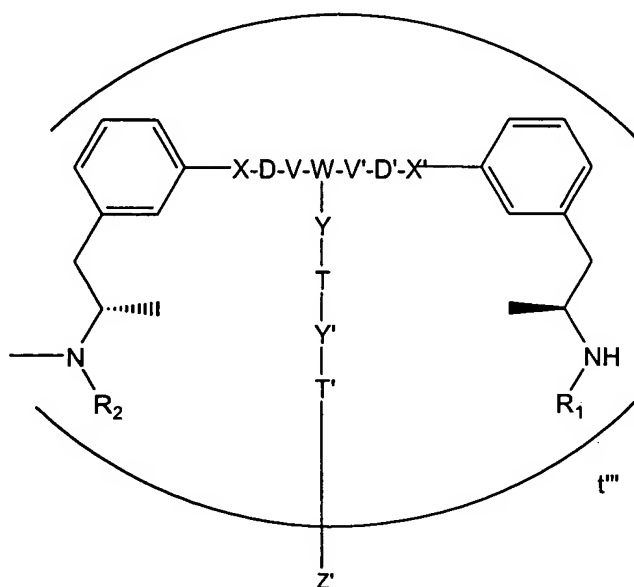
t' is 1 when Z_1 is a functional group or a non-poly(amino acid) label or, when Z_1 is a poly(amino acid), t' Z_1 is an integer between 1 and the molecular weight of a poly(amino acid) divided by about 500;
and salts thereof.

12. (currently amended) A compound according to Claim 11 wherein Z_1 is an enzyme label.

13. (original) A compound according to Claim 11 wherein R_1 is hydrogen.

14. (original) A compound according to Claim 11 wherein R_2 is methyl.

15. (currently amended) A compound of the formula:



wherein:

R_1 and R_2 are independently H or a protecting group,

X and X' are independently O, S, or a bond;

D and D' are independently alkylene or substituted alkylene;

V and V' are independently O, S, or a bond;

W is CH;

Y is NR₃ wherein R₃ is H or lower alkyl, O, S, or a bond;

T is alkylene, -(C=O)alkylene, ethereal alkylene, acetamide or a bond;

Y' is NR₃ wherein R₃ is H or lower alkyl, O, S, or a bond;

T' is alkylene, -(C=O)alkylene, ethereal alkylene, acetamide or a bond; and

Z' is a poly(amino acid), a non-poly(amino acid) label moiety, H, Br, Cl, F, I, NH₂, acetamide, or haloacetamide, or a bond;

t' is 1 when Z' is a functional group or a non-poly(amino acid) label or, when Z' is a poly(amino acid), t' Z' is an integer between 1 and the molecular weight of a poly(amino acid) divided by about 500;

with the proviso that X and X' have approximately the same length, D and D' have approximately the same length, and V and V' have approximately the same length;

and salts thereof.

16. (currently amended) A compound according to Claim 15 wherein Z' is an enzyme label.

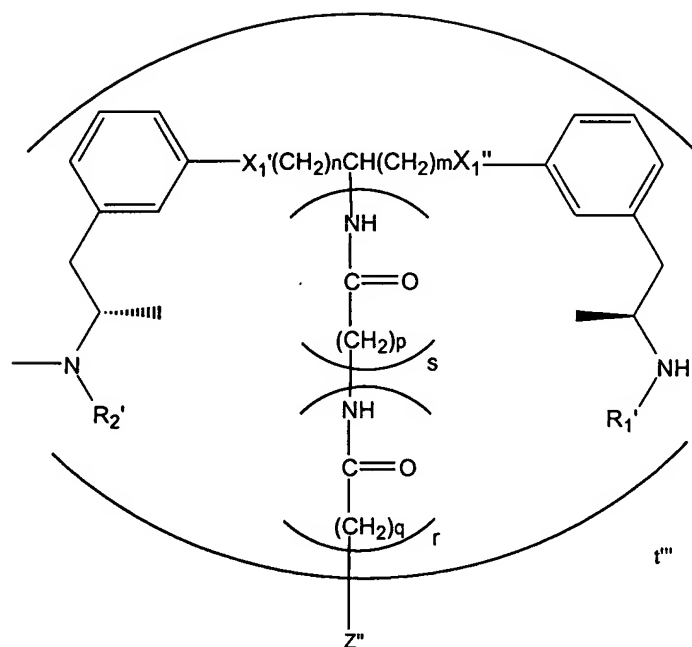
17. (original) A compound according to Claim 15 wherein X and X' are S.

18. (original) A compound according to Claim 15 wherein D and D' are methylene.

19. (original) A compound according to Claim 15 wherein Y and Y' are NH.

20. (original) A compound according to Claim 15 wherein T and T' are -(C=O)CH₂-.

21. (currently amended) A compound of the formula:



wherein:

R_1' and R_2' are independently H or a protecting group,

X_1' and X_1'' are S or O;

Z'' is an enzyme; H, Br, Cl, F, I, NH_2 , acetamide, or haloacetamide, ~~or a bond~~;

t''' is 1 when Z'' is other than an enzyme label and, when Z'' ~~t'''~~ is an enzyme label, t''' is an integer between 1 and the molecular weight of said enzyme label divided by about 500; and

n , m , p , q , ~~r and s~~ are each independently 1 to 5 and r and s are each independently 0 to 5;

and salts thereof.

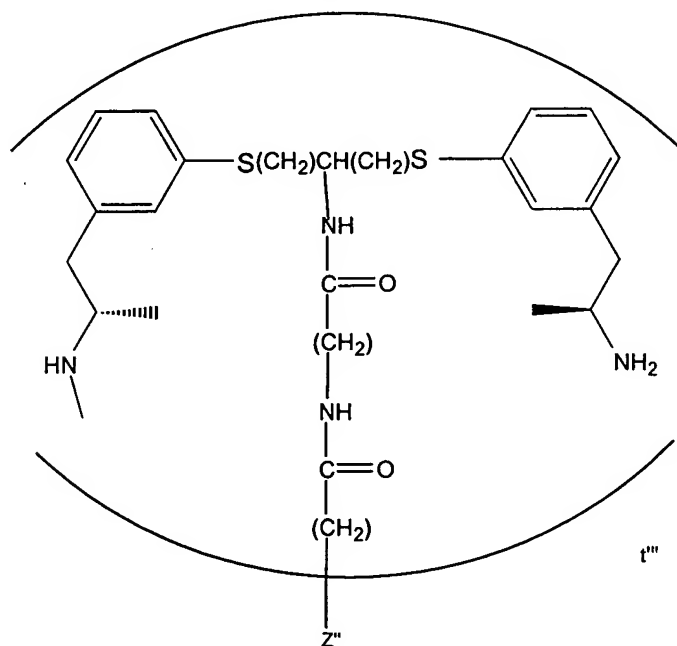
22. (currently amended) A compound according to Claim 21 wherein R_1' and R_2' are H, X_1' and X_1'' are S, n , m , p , q , r and s are 1, and Z'' is an enzyme label.

23. (currently amended) A compound according to Claim 21 wherein R_1' and R_2' are H or a protecting group, X_1' and X_1'' are S, n and m are 1, r and s are 0, and Z'' is NH_2 .

24. (currently amended) A compound according to Claim 21 wherein R_1' and R_2' are H or a protecting group, X_1' and X_1'' are S, n and m are 1, r is 1 and s is 0, and Z'' is Br.

25. (currently amended) A compound according to Claim 21 wherein R_1' and R_2' are H or a protecting group, X_1' and X_1'' are S, n and m are 1, r and s are 1, and Z'' is Br.

26. (currently amended) A compound of the formula:



wherein:

Z'' is an enzyme label; and

t''' is an integer between 1 and the molecular weight of said enzyme label divided by about 500.

27. (currently amended) A compound according to Claim 26 wherein said enzyme label is glucose-6-phosphate dehydrogenase.

Claims 28-47 (canceled).